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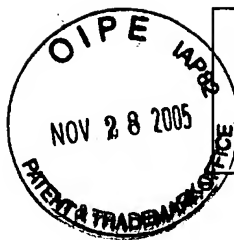
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/628681-Conf. #4491	
	Filing Date	July 28, 2003	
	First Named Inventor	Gilbert N. RILEY	
	Art Unit	1745	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	7	Attorney Docket Number	0112903.00128US2

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard Non US Patent References (43)
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	WILMER CUTLER PICKERING HALE AND DORR LLP		
Signature	<i>Mary Rose Scozzafava</i>		
Printed name	Mary Rose Scozzafava		
Date	November 22, 2005	Reg. No.	36,268

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Dated: November 22, 2005 Signature: Sarah Farris
(SARAH FARRIS)

Docket No.: 0112903.00128US2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Gilbert N. RILEY et al.

Application No.: 10/628681

Confirmation No.: 4491

Filed: July 28, 2003

Art Unit: 1745

For: BIPOLAR ARTICLES AND RELATED
METHODS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
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Dear Sir:

This Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits. No fee is required.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Dated: November 22, 2005

Respectfully submitted,

By Mary Rose Scpzzafava
Mary Rose Scpzzafava
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PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/628681-Conf. #4491	
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			Examiner Name	Not Yet Assigned	
Sheet	1	of	5	Attorney Docket Number	0112903.00128US2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-3,765,943	10-16-1973	Biagetti	
	AB*	US-3,864,167	02-04-1975	Broadhead et al.	
	AC*	US-4,245,016	01-13-1981	Rampel	
	AD*	US-4,555,454	11-26-1985	Shuster	
	AE*	US-4,599,114	07-08-1986	Atkinson	
	AF*	US-4,615,784	10-07-1986	Stewart et al.	
	AG*	US-4,668,596	05-26-1987	Shacklette et al.	
	AH*	US-4,758,483	07-19-1988	Armand et al.	
	AI*	US-4,889,777	12-26-1989	Akuto	
	AJ*	US-5,100,747	03-31-1992	Hayashida et al.	
	AK*	US-5,187,209	02-16-1993	Hirai et al.	
	AL*	US-5,213,895	05-25-1993	Hirai et al.	
	AM*	US-5,227,267	07-13-1993	Goebel et al.	
	AN*	US-5,294,504	03-15-1994	Otagawa et al.	
	AO*	US-5,399,447	03-21-1995	Chaloner Gill et al.	
	AP*	US-5,436,093	07-25-1995	Huang et al.	
	AQ*	US-5,441,830	08-15-1995	Moulton et al.	
	AR*	US-5,464,707	11-07-1995	Moulton et al.	
	AS*	US-5,478,676	11-25-1996	Turi et al.	
	AT*	US-5,518,833	05-21-1996	Repplinger et al.	
	AU*	US-5,520,850	05-28-1996	Chaloner Gill et al.	
	AV*	US-5,527,641	06-18-1996	Koshiishi et al.	
	AW*	US-5,554,459	09-10-1996	Gozdz et al.	
	AX*	US-5,567,754	10-22-1996	Stramel	
	AY*	US-5,578,396	11-26-1996	Fauteux et al.	
	AZ*	US-5,587,253	12-24-1996	Gozdz et al.	
	AA1*	US-5,588,971	12-31-1996	Fauteux et al.	
	AB1*	US-5,589,297	12-31-1996	Koga et al.	
	AC1*	US-5,591,544	01-07-1997	Fauteux et al.	
	AD1*	US-5,624,605	04-29-1997	Cao et al.	
	AE1*	US-5,654,115	08-05-1997	Hasebe et al.	
	AF1*	US-5,677,080	10-14-1997	Chen	
	AG1*	US-5,698,342	12-16-1997	Klein	
	AH1*	US-5,705,291	01-06-1998	Amatucci et al.	
	AI1*	US-5,714,053	02-03-1998	Howard	
	AJ1*	US-5,733,683	03-31-1998	Searson et al.	
	AK1*	US-5,759,714	06-02-1998	Matsufuji et al.	
	AL1*	US-5,789,100	08-04-1998	Burroughs et al.	
	AM1*	US-5,821,033	10-13-1998	Cromack et al.	
	AN1*	US-5,827,615	10-27-1998	Touhsaent	
	AO1*	US-5,834,136	11-10-1998	Gao et al.	
	AP1*	US-5,840,087	11-24-1998	Gozdz et al.	
	AQ1*	US-5,897,522	04-27-1999	Nitzan	
	AR1*	US-5,902,689	05-11-1999	Vleggaar et al.	
	AS1*	US-5,910,382	06-08-1999	Goodenough et al.	
Examiner Signature				Date Considered	

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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				First Named Inventor	Gilbert N. RILEY
				Art Unit	1745
				Examiner Name	Not Yet Assigned
Sheet	2	of	5	Attorney Docket Number	0112903.00128US2

	AT1*	US-5,925,283	07-20-1999	Taniuchi et al.	
	AU1*	US-6,063,519	05-16-2000	Barker et al.	
	AV1*	US-6,069,221	05-30-2000	Chasser et al.	
	AW1*	US-6,096,453	08-01-2000	Grunwald	
	AX1*	US-6,096,454	08-01-2000	Tran et al.	
	AY1	US-RE 36,843	08-29-2000	Lake et al.	
	AZ1*	US-6,117,593	09-12-2000	Stachowiak et al.	
	AA2*	US-6,120,940	09-19-2000	Poehler et al.	
	AB2*	US-6,136,476	10-24-2000	Schutts et al.	
	AC2*	US-6,159,389	12-12-2000	Miura et al.	
	AD2*	US-6,174,623	01-16-2001	Shackle	
	AE2*	US-6,231,779	05-15-2001	Chiang et al.	
	AF2*	US-6,280,875	08-28-2001	Kwak et al.	
	AG2*	US-6,291,097	09-18-2001	Barker et al.	
	AH2*	US-6,300,016	10-09-2001	Jan et al.	
	AI2*	US-6,306,540	10-23-2001	Hiroi et al.	
	AJ2*	US-6,322,924	11-27-2001	Hirahara et al.	
	AK2*	US-6,337,156	01-08-2002	Narang et al.	
	AL2*	US-6,342,317	01-29-2002	Patel et al.	
	AM2*	US-6,395,429	05-28-2002	Kang et al.	
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	AO2*	US-6,410,189	06-25-2002	Yamada et al.	
	AP2*	US-6,413,284	07-02-2002	Chu et al.	
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	AS2*	US-6,528,033	03-04-2003	Barker et al.	
	AT2*	US-6,599,662	07-29-2003	Chiang et al.	
	AU2*	US-6,753,111-A1	06-22-2004	Kweon et al.	
	AV2*	US-6,764,525	07-20-2004	Whitacre et al.	
	AW2*	US-6,797,435-A1	09-28-2004	Kweon et al.	
	AX2*	US-6,800,399-A1	10-05-2004	Matsumoto	
	AY2*	US-6,818,356	11-16-2004	Bates	
	AZ2*	US-6,878,487-A1	04-12-2005	Cho et al.	
	AA3*	US-2001/0005558	06-28-2001	Yoshioka et al.	
	AB3*	US-2001/0005562	06-28-2001	Yoshioka et al.	
	AC3*	US-2001/0007726	07-12-2001	Yoshioka et al.	
	AD3*	US-2002/0015278	02-07-2002	Fukuyama et al.	
	AE3*	US-2002/0036282	03-28-2002	Chiang et al.	
	AF3*	US-2002/0048706	04-25-2002	Mayes et al.	
	AG3*	US-2002/0071990	06-13-2002	Kweon et al.	
	AH3*	US-2002/0071991	06-13-2002	Kweon et al.	
	AI3*	US-2002/0074972	06-20-2002	Narang et al.	
	AJ3*	US-2002/0192137	12-19-2002	Chaloner-Gill et al.	
	AK3*	US-2002/0195591	12-26-2002	Ravet et al.	
	AL3*	US-2003/0003352	01-02-2003	Kweon et al.	
	AM3*	US-2003/0008212	01-09-2003	Akashi et al.	
	AN3*	US-2003/0049529	03-13-2003	Cho et al.	

Examiner Signature		Date Considered	
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				Art Unit	1745
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Sheet	3	of	5	Attorney Docket Number	0112903.00128US2

AO3*	US-2003/0054250	03-20-2003	Kweon et al.	
AP3*	US-2003/0082446	05-01-2003	Chiang et al.	
AQ3*	US-2003/0099884	05-29-2003	Chiang et al.	
AR3*	US-2004/0005265	01-08-2004	Chiang et al.	
AS3*	US-2004/0018429	01-29-2004	Kweon et al.	
AT3*	US-2004/0018430	01-29-2004	Holman et al.	
AU3*	US-2004/0151887	08-05-2004	Forrest et al.	
AV3*	US-2004/0185343	09-23-2004	Wang et al.	
AW3*	US-2004/0265692	12-30-2004	Long et al.	
AX3*	US-2005/0026037	02-03-2005	Riley et al.	
AY3*	US-2005/0034993	02-17-2005	Gozdz et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	CA-2,270,771	10-30-2000	Hydro-Quebec		
	BB	EP-0 071 119	02-09-1983	Diamond Shamrock Corporation		
	BC	EP-1 231 653	08-14-2002	Sanyo Electric Co., Ltd.		
	BD	EP-1 231 651	08-14-2002	Sanyo Electric Co., Ltd.		
	BE	JP-04-58455	02-25-1992	Yuasa Corporation		
	BF	JP-07101728	04-18-1995	Tosoh Corp		
	BG	JP-09022693	01-21-1997	Matsushita Electric Ind Co Ltd.		
	BH	JP-09147862	06-06-1997	Hitachi Maxell Ltd.		
	BI	WO-98/12761	03-26-1998	Valence Technology, Inc.		
	BJ	WO-98/16960	04-23-1998	Massachusetts Institute of Technology		
	BK	WO-99/33129	07-01-1999	SRI International		
	BL	WO-99/56331	11-04-1999	Massachusetts Institute of Technology		
	BM	WO-00/41256	07-13-2000	Massachusetts Institute of Technology		
	BN	WO-01/77501	10-18-2001	Massachusetts Institute of Technology		
	BO	WO-02/43168	05-30-2002	Massachusetts Institute of Technology		
	BP	WO-03/012908	02-13-2003	Massachusetts Institute of Technology		
	BQ	WO-03/056646	07-10-2003	Massachusetts Institute of Technology		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet	4	of	5	Attorney Docket Number	0112903.00128US2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Aleshin et al. (1998) "Transport properties of poly (3,4-ethylenedioxythiophene/poly(styrenesulfonate)", Synthetic Metals, 94 pp 173-177	
	CB	Armand et al. (1979) "Fast Ion Transport in Solids," Proceedings of the International conference on Fast ion Transport in Solids, Electrodes and Electrolytes, Lake Geneva, Wisconsin, p. 31.	
	CC	Bouridah et al. (1985) "Poly(Dimethylsiloxane)-Poly(Ethylene Oxide) Based Polyurethane Networks Used as Electrolytes in Lithium Electrochemical Solid State Batteries," Solid State Ionics, 15 pp. 233-240.	
	CD	Broadhead et al. (1995) "Electrochemical Principles and Reactions", Handbook of Batteries, Ch. 2.	
	CE	Chiang et al. (1999) "High Capacity, Temperature-Stable Lithium Aluminum Manganese Oxide Cathodes for Rechargeable Batteries, Electrochem. Sol. St. Lett. 2(3), pp. 107-110.	
	CF	French et al. (1995) "Full Spectral Calculation of Non-Retarded Hamaker Constants for Ceramic Systems from Interband Transition Strengths," Solid State Ionics, 75, pp. 13-33.	
	CG	French (2000) "Origins and Applications of London Dispersion Forces and Hamaker Constants in Ceramics" Journal of the American Ceramic Society, 83[9], 2117-46.	
	CH	Ghosh et al. (1998) "Supramolecular Self-Assembly for Enhanced Conductivity in Conjugated Polymer Blends: Ionic Crosslinking in Blending of Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) and Poly(vinylpyrrolidone)" Adv. Mater, 10:1097.	
	CI	Gray (1991) "Solid Polymer Electrolytes: Fundamentals and Technological Applications," VCH, New York.	
	CJ	Hart et al. (2003) "3-D Microbatteries," Electrochemistry Communications, No. 5, pp. 120-123.	
	CK	Idota et al. (1997) "Tin-Based Amorphous Oxide: A high Capacity Lithium-Ion-Storage Material" Science, 276,p. 1395.	
	CL	Kuwabata et al. (1999) "Charge-discharge properties of composites of LiMn2O4 and polypyrrole as positive electrode materials for 4 V class of rechargeable Li Batteries " Electrochimica Acta, 44:4593-4600.	
	CM	LeCras et al. (1996) "Lithium intercalation in Li-Mg-Mn-O and Li-Al-Mn-O spinels," Solid State Ionics, 89 pp. 203-213.	
	CN	Limthongkul et al. (2001) "Nanocomposite Li-Ion Battery Anodes Produced by the Partial Reduction of Mixed Oxides, " Chem. Mater, 13, pp 2397-2402.	
	CO	Linden (1995) "Handbook of Batteries" Second Edition, McGraw-Hill, Inc., p. 2,19.	
	CP	Matsumoto et al. (1992) "Vaporization of Graphite in Plasma Arc and Identification of C60 in Deposit," J. Electrochem. Soc., Vol. 139 No. 1.	
	CQ	Milling et al. (1996) "Direct Measurement of Repulsive van der Waals interactions using an Atomic Force Microscope" Journal of Colloid and Interface Science, 180, pp. 460-5.	
	CR	Minnet et al. (1988), "Polymeric Insertion Electrodes," Solid State Ionics, 28-30 1192-1196.	
	CS	Nagaoka et al., "High Ionic Conductivity in Poly(dimethyl Siloxane-co-Ethylene Oxide) Dissolving Lithium Perchlorate," Dept of Chemistry, Sophia University, pp 659-663.	
	CT	Neumann et al. (1979) "Negative Hamaker Coefficients" Colloid and Polymer Sci., 257, pp. 413-419.	
	CU	Ohzuku et al. (1995) Synthesis and Characterization of LiAl1/4Ni3/4O2 for Lithium-Ion (Shuttle Cock) Batteries, J. Electrochem. Soc., vol. 143, p. 4033.	
	CV	Van Oss et al. (1977) "Comparison Between Antigen-Antibody Binding Energies" Immunol.	

Examiner Signature	Date Considered
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Sheet	5	of	5	Attorney Docket Number	0112903.00128US2

		Comm., 6(4), pp. 341-354.	
	CW	Van Oss et al. (1979) "Repulsive Van Der Waals Forces" Immunol. Comm., (8)1, pp. 11-29.	
	CX	Van Oss et al. (1979) "Repulsive van der Waals Forces" Separation Sci. Tech. 14(4), pp. 305-317.	
	CY	Van Oss et al. (1980) "Applications of Net Repulsive Van der Waals forces between different particles, macromolecules or biological cells in liquids" Colloids and Surfaces, 1, pp. 45-56.	
	CZ	Wang et al. (2002) "All Solid State Li/LixMnO2 Polymer Battery Using Ceramic Modified Polymer Electrolytes", Journal of Electrochem. Soc. 149 (8), A967.	
	CA1	Zallen, (1983) "The Physics of Amorphous Materials," J. Wiley & Sons, N.Y.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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